

WHAT IS CLAIMED IS

1. An optical apparatus that projects a first light beam having a first wavelength and a second light beam having a second wavelength
5 that is different than said first wavelength onto an optical recording medium, and that guides a first reflected beam, which is the reflected beam of said first light beam that is reflected from said optical recording medium, and a second reflected beam, which is the reflected beam of said second light beam that is reflected from said optical recording medium, and comprising:
 - a distortion-correction device for correcting the distortion that occurs in said first light beam and first reflected beam, and comprises a stationary optical device and a movable optical device; and
 - 15 a light-guiding device that is located between said stationary optical device and movable optical device in the optical path of said first light beam and said first reflected beam, and guides said first light beam and said second light beam, whose optic axes coincide with each other, to said optical recording device; and wherein
 - 20 said movable optical device works together with said stationary optical device to correct said distortion, and converts said second light beam to a parallel beam.
2. The optical apparatus according to claim 1 wherein;
25 said distortion-correction device corrects said distortion and converts said first light beam to a parallel beam.
3. The optical apparatus according to claim 2 wherein;
30 said stationary optical device converts said first reflected light to the light-flux form necessary for receiving said first reflected beam.
4. The optical apparatus according to claim 3 wherein;
35 said stationary optical device is a polarization hologram that is formed on the incident surface where said first light beam enters said light-guiding device.
5. An optical pickup comprising:

an optical apparatus that projects a first light beam having a first wavelength and a second light beam having a second wavelength that is different than said first wavelength onto an optical recording medium, and that guides a first reflected beam, which is the reflected beam of said first light beam that is reflected from said optical recording medium, and a second reflected beam, which is the reflected beam of said second light beam that is reflected from said optical recording medium, and comprising: a distortion-correction device for correcting the distortion that occurs in said first light beam and first reflected beam, and comprises a stationary optical device and a movable optical device; and a light-guiding device that is located between said stationary optical device and movable optical device in the optical path of said first light beam and said first reflected beam, and guides said first light beam and said second light beam, whose optic axes coincide with each other, to said optical recording device; and wherein said movable optical device works together with said stationary optical device to correct said distortion, and converts said second light beam to a parallel beam;

20 a first light-beam-emitting device for emitting said first light beam;

a second light-beam-emitting device for emitting said second light beam;

25 a first light-receiving device for receiving said first reflected beam that passes through said optical apparatus, and generating a corresponding first received-light signal; and

a second light-receiving device for receiving said second reflected beam that passes through said optical apparatus, and generating a corresponding second received-light signal.